

# ROB MADOLE

SOFTWARE ENGINEER / WEB DEVELOPER

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## SUMMARY OF QUALIFICATIONS

### Information Architecture

- » Web and mobile platforms
- » Creating and iterating with wire frame prototypes
- » Designing Photoshop mock-ups

### Agile software development

- » Participating on small scrum teams
- » Writing user stories
- » Working with clients to develop product backlogs
- » Project management experience

### Test-driven / Behavior-driven development

- » Setting up and maintaining continuous integration environments
- » Authoring and maintaining documentation
- » GUI testing with Selenium
- » Virtual machine based cross-browser testing
- » Implementing behavior-driven development

### Web development

- » Standards-based design with HTML5 and CSS3
- » Complex user interfaces in Javascript
- » Client consuming OAuth integration
- » Integrating Facebook OpenGraph

### Systems administration

- » Data center automation
- » Amazon Web Services
- » Setup and maintenance of cloud computing installations
- » Performance tuning
- » Configuration and hardening of relational and key-value databases
- » General TCP/IP based daemon installation and setup
- » General networking installation and configuration

### Open Source

- » Author of several small projects (<http://github.com/robmadole>)

### Operating systems

- » Linux
- » BSD
- » OS X

### Languages

- » Python
- » Javascript
- » Ruby
- » Objective-C
- » PHP
- » Java

### Frameworks

- » Django
- » Apple iOS
- » Dojo Toolkit
- » jQuery
- » J2EE

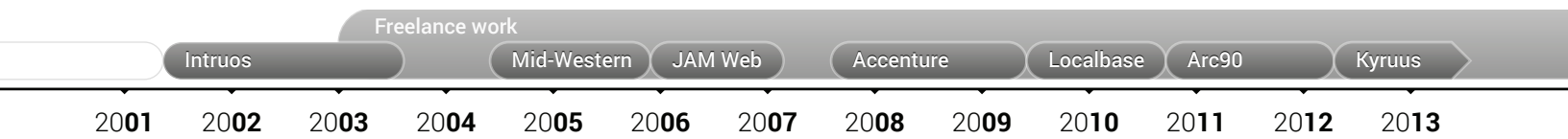
### Markup

- » HTML
- » CSS
- » XML
- » SQL
- » Markdown
- » reStructuredText

### Protocols

- » HTTP
- » REST
- » TLS/SSL
- » SOAP
- » SMTP

# WORK EXPERIENCE



## Arc90, Inc

Consultant

Lead developer for two client services projects including an effort to **overhaul the web experience** for Thomson Reuters. Helped guide small Agile teams of talented developers and designers with tight deadlines and **challenging client engagements**. Played a key role in **architectural design and strategy** for a complex service-oriented design. Utilized Amazon Web Services and helped to design **release management processes**. Worked to implement a **RESTful API** which powers an iOS app that early after release was featured by Apple in the App Store.

## Localbase, Inc

Interaction Designer

Member on small **Agile development** team developing social software. Deployed **Django-based** systems on Amazon EC2 and later KVM-based **cloud infrastructure** utilizing data center automation tools. Developed capabilities including row-level database permissions, OpenGraph integration, Key-value database integration and an MVC Javascript framework. Functioned as **quality assurance engineer** near the end of the release cycle. Setup Python-based **BDD** tools which became our primary way of **user acceptance testing**.

## Accenture National Security Services

Consultant

Interaction designer for web-based **data visualization tool** for the Department of Defense. Involved in designing Software as a service (SaaS) and Service-oriented Architecture (SOA) systems. Lead development on primarily **Javascript-based platform**. **Taught object-oriented Javascript** development to engineers new to web development. Java-based **testing with Selenium** RC and Selenium Grid.

## JAM Web Designs

Software Engineer

Stabilized PHP-based system running on FreeBSD. Added **testing and transactions** to the billing engine. **Managed collocated servers** handling around 20,000 unique visitor per month. Upgraded MySQL to replicated master/slave infrastructure to **relieve performance problems**. Created a development environment to isolate changes against customer deployments. **Introduced and trained** the team on version control using Subversion. Migrated development to **semantic standards-based HTML** and modern css techniques.

## Mid-Western Companies, Inc.

Media Manager

Designed **print and marketing** material. Created instruction manuals using photography, 3D modeling, and 3D animation. Editor and developer for marketing web properties.

## Fireswamp, Inc.

*Independent consulting business*

Worked with smaller clients to **deliver Internet services**. Delivered graphic design, HTML and CSS, and managed deployment.

## Intruos, LLC.

*Production Manager*

Lead a team of web designers and programmers in a **small web development firm**.

## COMMUNITY

- » Volunteer time maintaining annual photography competition website for PhotoSpiva (photospiva.org)
- » Open source projects I have authored or participate in available on <http://github.com/robmadole>

## EDUCATION

### Missouri Southern State University

*1996–2000*

- » Course of study: Visual Communication, Physics and Mathematics

## REFERENCES

Available upon request. Please email **robmadole@gmail.com**, direct message twitter user **@robmadole**, or call **1-417-385-3137**.